

Making a Difference

American Recovery and Reinvestment Act



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Office of Environmental Management
U.S. Department of Energy

Presented to:
Stakeholders and Regulators

December 16, 2009



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Secretary Chu's Key Recovery Act Objectives



"We will turn this time of economic crisis into an opportunity to build a clean, secure, and prosperous energy future for America...."

—Dr. Steven Chu, Secretary of Energy

- Start projects quickly
- Ensure projects have lasting value
- Provide public with unprecedented transparency
- Make a significant down payment on the Nation's energy and environmental future



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DOE Recovery Act Funding

Department of Energy Program Office	Recovery Act (\$ Millions)
Office of Energy Efficiency & Renewable Energy	\$16,800
Office of Science	\$2,000
Office of Electricity Delivery and Energy Reliability	\$4,500
Office of Fossil Energy	\$3,400
Office of Environmental Management	\$6,000
DOE TOTAL (Excluding Loans)	\$32,700
Office of the Chief Financial Officer - Technology Loan Guarantee	\$6,000
Power Marketing Administrations - Borrowing Authority	\$6,500
DOE TOTAL (Including Loans)	\$45,200



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EM Received \$6 Billion in Recovery Act Funding



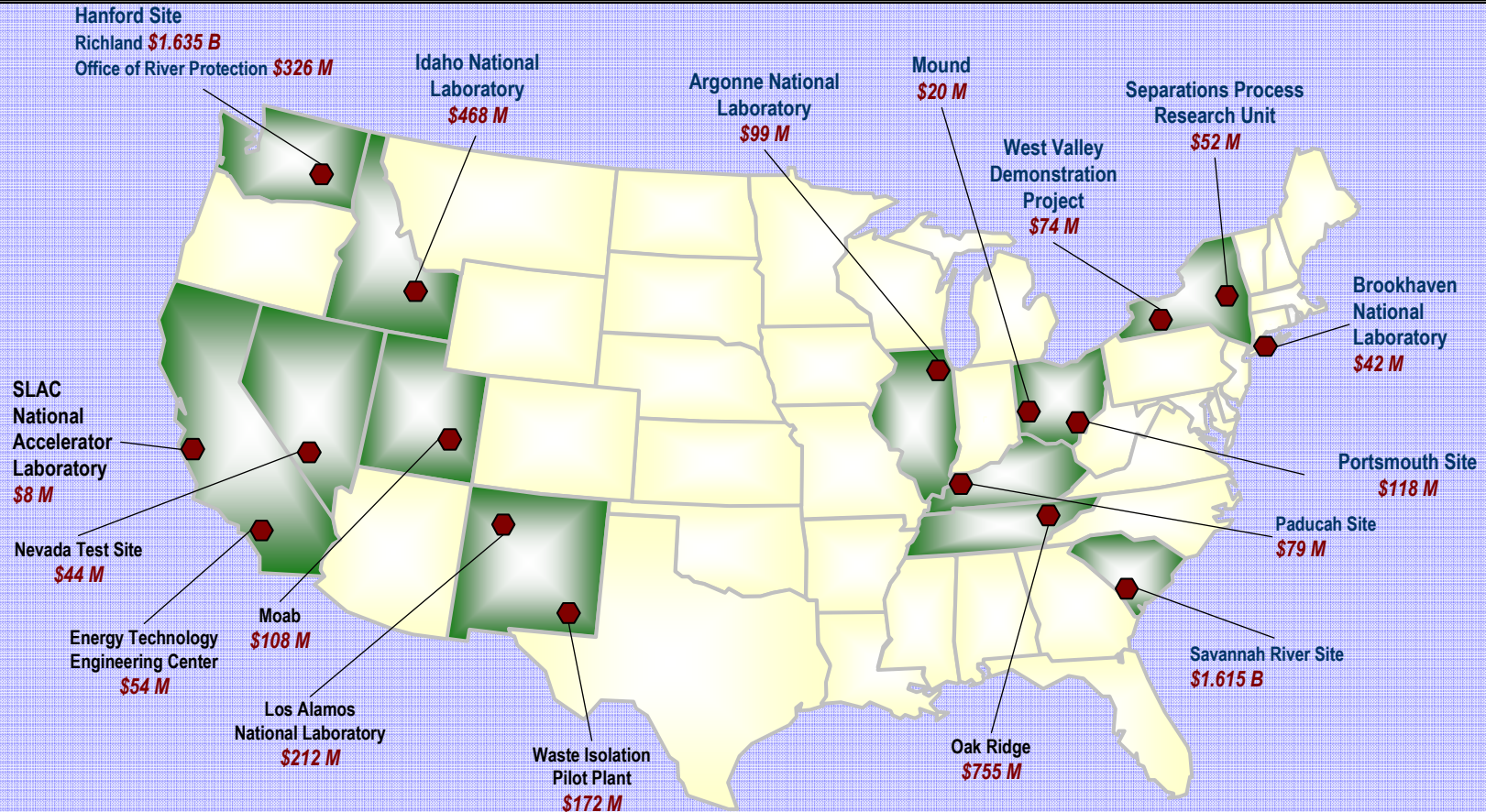
- Directed towards existing scope that can most readily be accelerated
 - Soil and groundwater remediation
 - Radioactive solid waste disposition
 - Facility decontamination & decommissioning
- “Shovel-ready” projects
 - Fully-defined cost, scope, and schedule
 - Established regulatory framework
 - Proven technology
 - Proven performance
 - Existing contract vehicles
- Focus on EM completion and footprint reduction
- Recovery Act funding will accelerate approximately 48 compliance milestones



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\$6 Billion: Making a Difference in Communities Across the Country



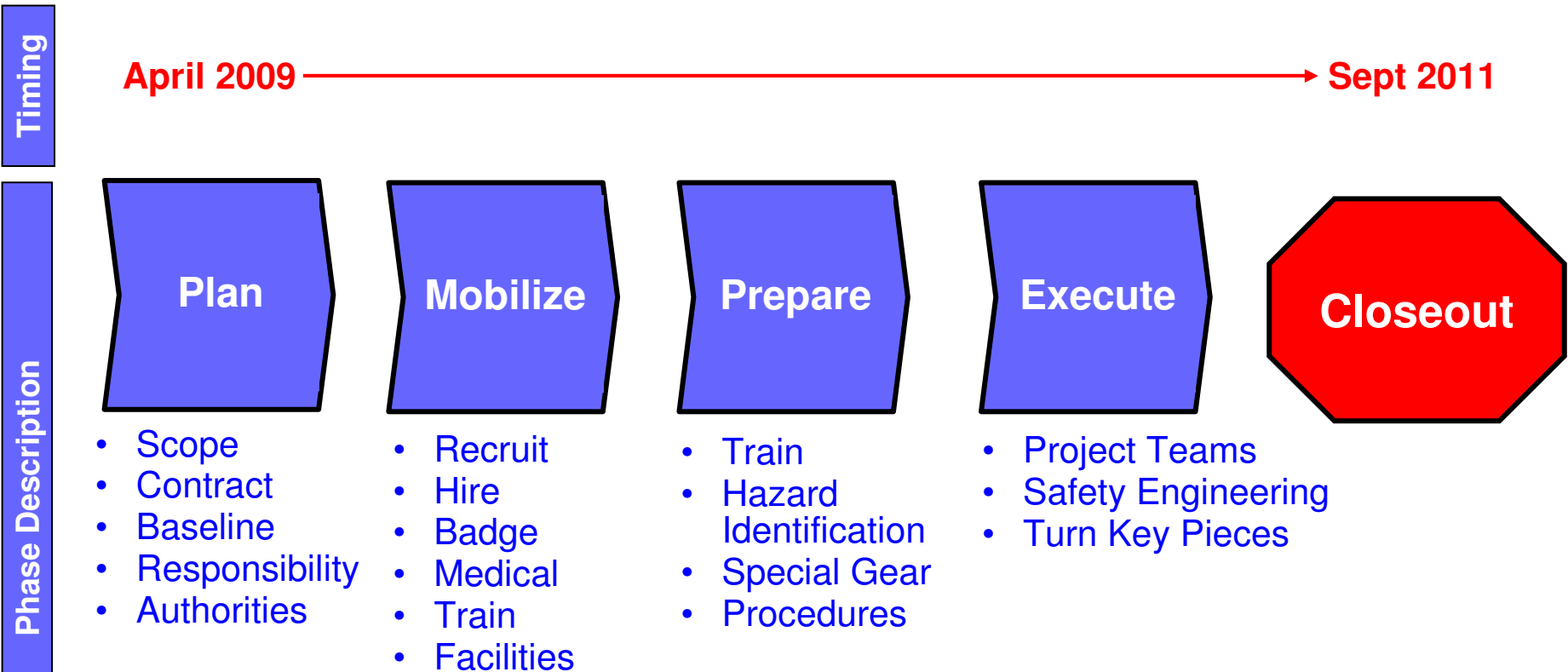
12 States, 17 Sites
Uranium/Thorium \$69 M
Management & Oversight \$50 M



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30 months from Recovery Act Project Ramp-up to Closeout



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Recovery Act Funding Obligations at EM Sites



Site	Spend Plan	Obligated to Contracts	Spent to Date
Argonne National Laboratory	\$98,500,000	\$79,000,000	\$5,793,430
Brookhaven National Laboratory	\$42,355,000	\$42,355,000	\$15,634,886
ETEC	\$54,175,000	\$54,162,338	\$811,092
Hanford (Office of River Protection)	\$326,035,000	\$326,035,000	\$39,341,554
Hanford (Richland)	\$1,634,500,000	\$1,634,500,000	\$235,777,603
Idaho	\$467,875,000	\$467,175,000	\$105,161,492
Los Alamos National Laboratory	\$211,775,000	\$211,775,000	\$22,748,637
Moab	\$108,350,000	\$108,350,000	\$19,788,132
Mound	\$19,700,000	\$19,700,000	\$703
Nevada Test Site	\$44,325,000	\$44,325,000	\$11,753,826
Oak Ridge	\$755,110,000	\$653,601,176	\$76,454,196
Paducah	\$78,800,000	\$78,800,000	\$3,167,156
Portsmouth	\$118,200,000	\$118,200,000	\$12,931,082
Savannah River	\$1,615,400,000	\$1,613,999,867	\$328,812,142
SLAC	\$7,925,000	\$7,925,000	\$2,851,914
SPRU	\$51,775,000	\$51,775,000	\$3,978,813
WIPP	\$172,375,000	\$170,553,000	\$26,822,793
West Valley	\$73,875,000	\$73,875,000	\$11,756,356
Title X Uranium/Thorium Reimbursements	\$68,950,000	\$32,270,555	\$31,870,555
Management & Oversight	\$30,000,000	\$13,044,759	\$4,980,505
Unallocated	\$20,000,000	\$0	\$0
Total	\$6,000,000,000	\$5,801,421,695	\$960,436,867

Financial data are based on reporting as of December 7, 2009, and are subject to change.



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Over 12,000 Jobs Saved or Created



EM Job Applicants, Jobs Saved & Created, and Job Fairs
(December 8, 2009)

	Applicants	Saved	Created	Headcount	Job Fairs
Argonne (IL)	2,413	30	115	145	13
Brookhaven (NY)	39	30	117	147	0
ETEC (CA)	541	142	2	144	0
Hanford-ORP (WA)	20,132	0	859	859	25
Hanford-Richland (WA)	16,886	285	2,477	2,762	18
Idaho (ID)	6,016	1,374	421	1,795	9
Los Alamos (NM)	874	162	67	229	2
Moab (UT)	3,494	37	183	220	0
Mound (OH)	12	28	2	30	0
Nevada (NV)	66	331	47	378	0
Oak Ridge (TN)	9,661	277	1270	1,547	8
Paducah (KY)	5,251	22	182	204	4
Portsmouth (OH)	3,209	296	208	504	3
Savannah River (SC)	17,732	904	1,604	2,508	6
SLAC (CA)	90	104	17	121	1
SPRU (NY)	112	2	26	28	0
West Valley (NY)	1,128	0	285	285	0
WIPP (NM)	448	84	267	351	0
TOTALS	88,104	4,108	8,149	12,257	89



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Metrics To Measure Performance (Results)



The Recovery Act Program uses a number of metrics to measure performance against baselines of the scope, schedule and cost of each of its projects.








The Program uses these measures to:

- Provide management tool to work with the sites to achieve Recovery Act objective;
- Describe actual project performance against the project plan;
- Assess planned and actual site performance of ARRA-funded projects across the DOE EM complex;
- Define actual progress and results;
- Identify areas of concern in project execution; and
- Serves as management tool for identifying Recovery Act opportunities.





Getting The Job Done

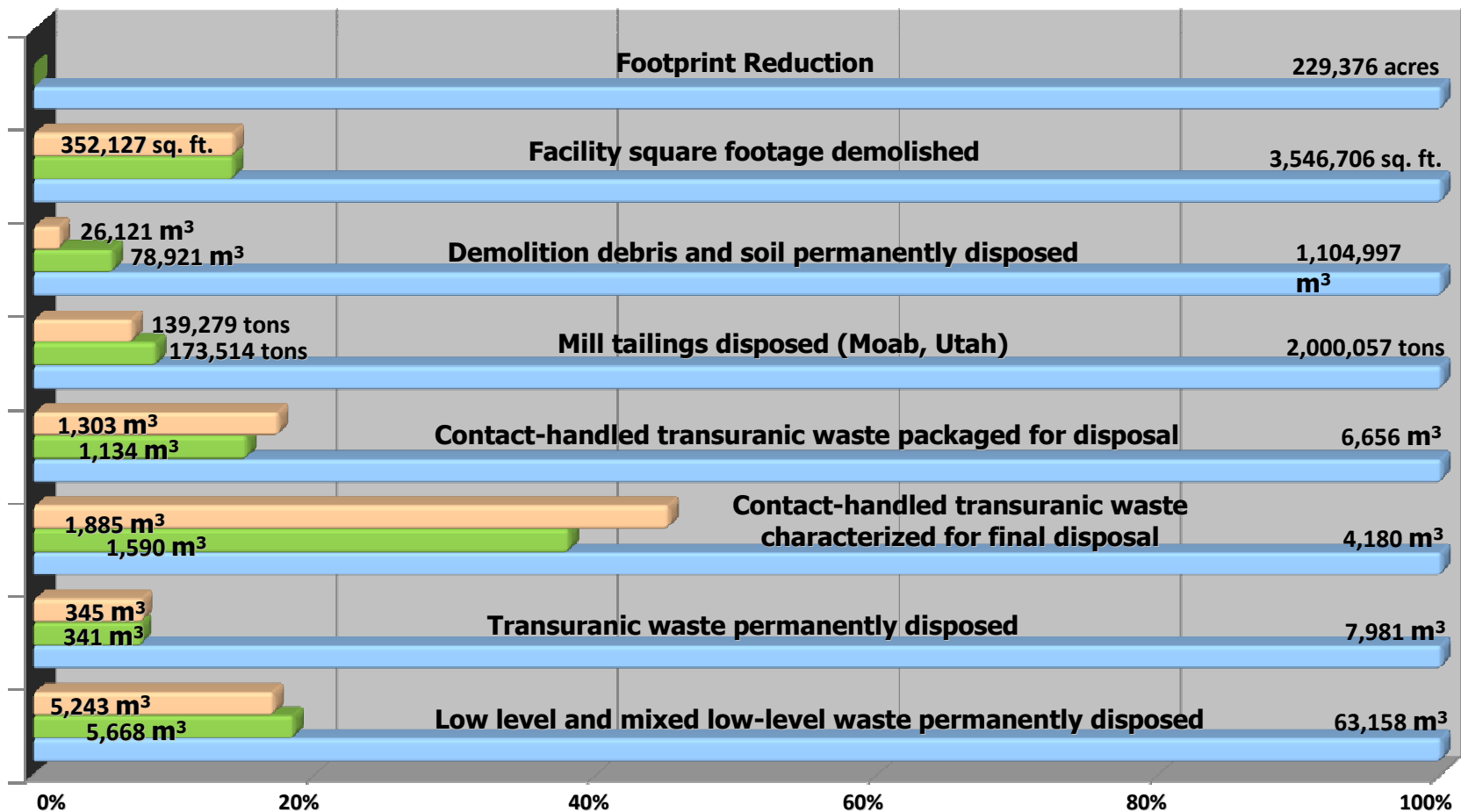
Performance Measure	Overall ARRA Goal (Sept. 30, 2011)	Oct. 31, 2009 Plan	Accomplishments as of October 31, 2009			
Facility Square Footage Demolished (square feet)	3,546,706	350,724	352,127 (10% of goal)	=	Over 6 football fields	
Demolition Debris and Soil Permanently Disposed (cubic meters)	1,104,997	78,921	26,121 (2.4% of goal)	=	About 11 olympic swimming pools	
Mill Tailings Disposed (tons)	2,000,057	173,514	139,279 (7% of goal)	=	970 rail cars	
Transuranic Waste Packaged for Disposal (cubic meters)	6,656	1,134	1,303 (20% of goal)	=	About 450 containers (150 shipments)	
Transuranic Waste Characterized for Final Disposal (cubic meters)	4,180	1,590	1,885 (45% of goal)	=	Over 215 shipments (about 650 containers)	
Transuranic Waste Permanently Disposed (cubic meters)	7,981	341	345 (5 % of goal)	=	120 containers (about 40 shipments)	
Low Level and Mixed Low-Level Waste Permanently Disposed (cubic meters)	63,158	5,688	5243 (9 % of goal)	=	Over 25,000 drums	



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EM Recovery Act Performance To Date



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Actual to Date (10/31/09)
 Target to Date (10/31/09)
 ARRA Total

Project Management Oversight & Accountability



Safety is the #1 priority for all EM Recovery Act projects.

- Maintain regular communications with regulators, Tribal Nations and stakeholders
- Fully implement DOE Order 413.3A
- Phased release of funding based on performance
 - Integrates project, contract and funds management
- Ensure projects stay on schedule and within cost
- Conduct regular reviews to track and monitor performance
- On-site Headquarters representatives will closely observe project performance
- External oversight reviews by the IG and GAO



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Ambitious Small Business Strategy



- Considerable subcontracting expected to meet EM small business goals

EM prime contracting small business goal = \$288 Million (4.8%)

- EM's small business subcontracting goals for FY 2009:

Small Business	46.4 % of subcontracting
Small Disadvantaged Business	5.0 %
Woman-Owned Small Business	5.0 %
HUB-Zone Small Business	3.0 %
Service-Disabled Veteran-Owned Small Business	3.0 %



Recovery Act Small Business Funding at Selected Sites

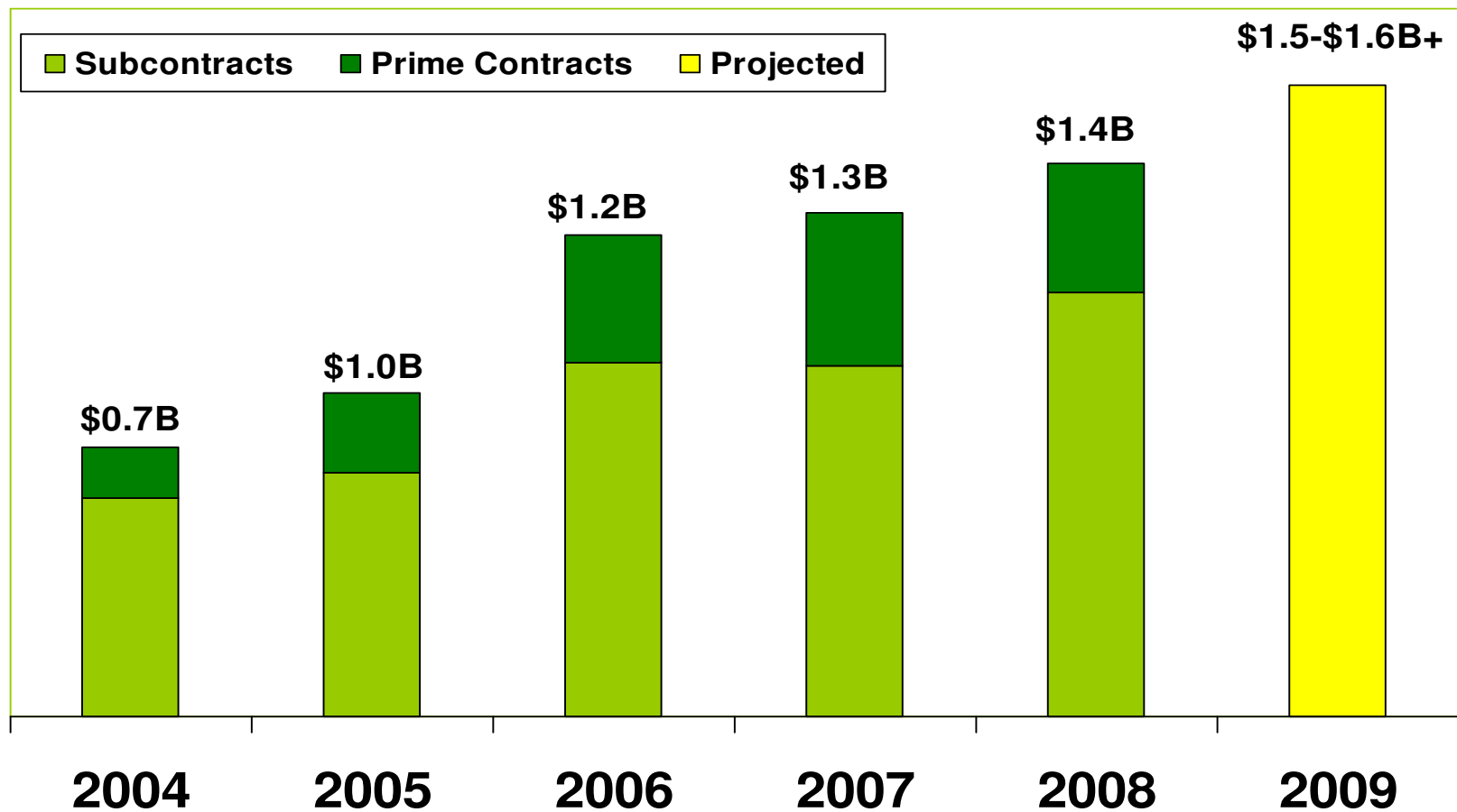


- Prime contracts
 - ARRA allocation of EM goal is \$288M
- ARRA Funding Exceeded Funding Target of 4.8%

EMCBC	
Carlsbad	7,199,000
MOAB	3,445,000
PPPO	197,000,000
SLAC	7,925,000
SPRU	14,775,000
Other	\$6,185,242
Oak Ridge	\$102,224,779
Richland	\$17,835,407
River Protection	\$4,599,480
Savannah River	\$6,670,616



EM Total Small Business Funding



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Small Business Opportunities



- Increase Small Business Participation through
 - Exploring new ways to facilitate small business participation
 - Developing mechanism to assist small business through State and Regional Finance Development Organizations

For small business information and opportunities contact
Ms. Brenda Degraffenreid at:
brenda.degraffenreid@hq.doe.gov or (202) 586-4620

For stakeholder and regulator information contact
Ms. Melissa Nielson at melissa.nielson@em.doe.gov or
David Borak at david.borak@em.doe.gov



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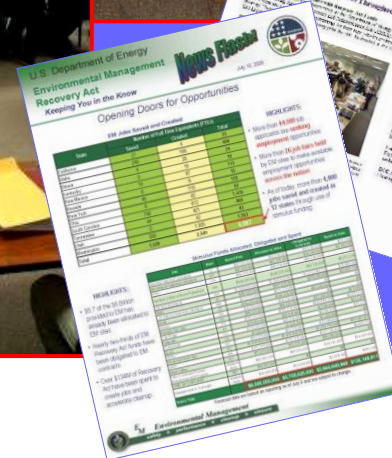
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Communicate. Communicate. Communicate.



EM Headquarters and Field sites are striving to provide “unprecedented transparency” as to where the ARRA money is going and what is being accomplished.

- Hot Link Jobs Button
- EM Recovery Act newsletter
- Weekly News Flash
- EM Recovery Act website
- Stakeholder conference calls
- Public meetings
- OMB/Congress
- GAO/IG



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Summary



EM Recovery Act Program is making progress in achieving the President's goals of job creation and environmental cleanup through the *American Recovery and Reinvestment Act*.

- Over 12,000 jobs created and preserved in 12 States
- More than 99% of Recovery Act funds have been allocated to sites
- \$5.8 billion obligated to contracts for EM Recovery projects
- Over \$960 million spent on Recovery work
- Achieved 136% of EM small business prime contracting goal
- Monthly monitoring of project execution and performance
- Active engagement with stakeholders and regulators



Learn More About the EM Recovery Act Program



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RECOVERY AND REINVESTMENT

You are here: DOE Home > Recovery and Reinvestment > Ask an Expert: DOE Recovery Act Clearinghouse

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Ask an Expert: DOE Recovery Act Clearinghouse

The purpose of the DOE Recovery Act Clearinghouse is to help increase the availability of information about DOE's American Recovery and Reinvestment Act of 2009 (ARRA) activities. The Clearinghouse will provide initial consultations, and also make referrals when appropriate to other information sources (websites, documents, DOE staff, etc).

You can [contact us](#) with your questions using our submittal form, by calling our toll-free number: 1-888-DOE-RCVY (1-888-363-7289), or browse our list of frequently asked questions. Media inquiries should be directed to the [DOE Press Office](#).

FREQUENTLY ASKED QUESTIONS

Funding Opportunities

- [How do I find out about the funds available from DOE?](#)
- [When will funds become available?](#)
- [What types of funding are available from DOE?](#)
- [How do I apply for a grant from DOE?](#)
- [How do I apply for a contract from DOE?](#)
- [How do I apply for a loan guarantee from DOE?](#)

EM Recovery Act Program Office

<http://www.em.doe.gov/emrecovery>

Email: EMRecovery@em.doe.gov

Phone: 202-586-2083

DOE Recovery Act Clearinghouse

<http://RecoveryClearinghouse.energy.gov>

Email: RecoveryClearinghouse@hq.doe.gov

Phone: 1-888-DOE-RCVY



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Backup



- Phase II ARRA Projects
- Footprint Reduction



Phase II ARRA Projects At Sites With No Current Recovery Act Funding



State	Site	Project(s)	Project Duration	Cost (\$M)	Documentation
California	Lawrence Berkeley National Laboratory	<u>Old Town Environmental Restoration Project</u> —Calls for the decontamination and demolition of 14 buildings.	24 months	\$17.6-\$44.5	Project Operating Plan; “Transfer of Excess Facilities” memo; “Old Town” presentation
	Lawrence Livermore National Laboratory	<u>D&D 13 Excess EM-Owned Facilities</u> : Provides for contaminant characterization and decontamination, facility demolition, and full restoration of the disturbed grounds.	12 months	\$1.5	Project Operating Plan
		<u>Building 212 Site Investigation and Remediation Project</u> : Provides for the development of project documentation (e.g., sampling plan), implementation of remedial activities (borehole drilling; soil sampling), and D&D of B212 structure and slab.	12 months	\$ 9.0	Project Operating Plan
		<u>Building 865 Dome D&D Project</u> : Seeks the characterization, decontamination and complete dismantlement of Building 865, including full restoration of disturbed grounds.	12 months	\$18.0	Project Operating Plan
		<u>D&D of B280 Reactor Dome Project</u> : Involves the characterization, decontamination, and complete dismantlement of B280’ remaining internal systems (reactor internal core, containment dome), the building itself, and the slab and surrounding soils.	12 months	\$3.5	Project Operating Plan
		<u>Site 300 and Livermore Site Environmental Restoration (ER) Recovery Act Project</u> --Consists of two sub-projects designed to enhance the site’s contaminant capture (expansion of Borehole Drilling and Wellfield (\$2.269M)) and the site’s treatment capabilities (offsite expansion of Treatment Facility A (\$0.966M))	12 months	\$3.3	Project Operating Plan



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Phase II ARRA Projects At Sites With No Current Recovery Act Funding



State	Site	Project(s)	Project Duration	Cost (\$M)	Documentation
Idaho	Bettis Atomic Power Laboratory	<u>Accelerate Remediation Characterization and Disposal of Legacy Remote Handled Transuranic Waste (TRU) Project</u> : Reduces site's risks by providing for the removal and off-site shipping of TRU vaults for processing and final disposition .	36 months	\$16.0	Project Operating Plan; "Naval Reactors (NA-30) letter
New Mexico	Sandia National Laboratory	<u>Sandia's Tech Area III Classified Waste Landfill Project</u> : Entails excavating and off-site disposal of the landfill's classified Cold War legacy materials, and the full restoration of the site.	36 months	\$50.0-60.0	Project Operating Plan; CD 0/1 Transmittal memo
Pennsylvania	Bettis Atomic Power Laboratory	<u>Accelerate cleanup of surplus nuclear facilities (L-Building) Project</u> : Involves completing the characterization and preparation for D&D of L-Building, along with the disposal of any generated waste.	24 months	\$44.0	Project Operating Plan; "Naval Reactors" letter



Phase II ARRA Projects At Sites With Recovery Act Funding



State	Site	Project(s)	Project Duration	Cost (\$M)	Documentation
Idaho	Idaho National Laboratory	Process FFTF Na-bonded SNF through the EMT process at MFC	Estimate to be prepared	Estimate to be prepared	Project Operating Plan and slide presentation under preparation
New York	Brookhaven National Laboratory	<u>Full demolition of Building 701 Project</u> : Entails demolishing Building 701, restoration of all affected buildings/areas, and off-site disposal of generated wastes.	9 months	\$57.5	BNL Recovery Act Project--2-Page Summary
	Knolls Atomic Power Laboratory (SPRU)	Perform Land Disposal Area and Buildings G2/H2 Contaminated Soil Remediation Project: Provides for the remediation and offsite shipment for disposal of soils contaminated with volatile organic compounds.	24 months	\$4.63	Project Operating Plan; "Naval Reactors" letter
		Q-Building Complex Demolition and Disposal Project: Funds will be used to remediate, demolish and dispose of Q-Building Complex and associated materials and wastes.	36 months	\$15.1	Project Operating Plan; "Naval Reactors" letter



Phase II ARRA Projects At Sites With Recovery Act Funding

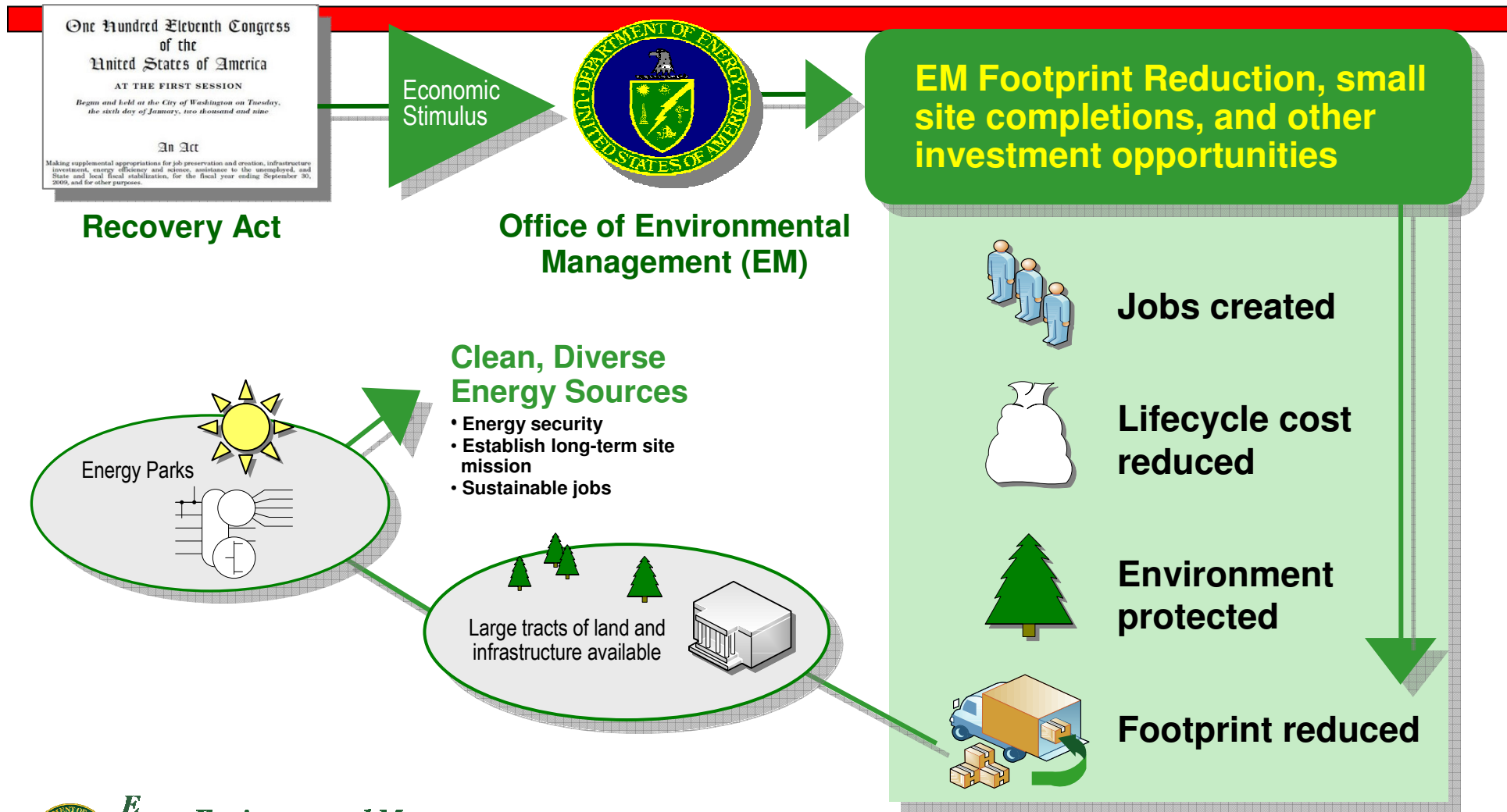


State	Site	Project(s)	Project Duration	Cost (\$M)	Documentation
Tennessee	Oak Ridge Reservation	(Proposed New Project) D&D of Biology Complex Buildings 9211, 9769, 9220, and 9224 Slab Project: Demolishes the slab left after demolition of 4 Biology Complex buildings.	6-9 months	2M - \$9M	"Opportunities for Footprint Reduction ..." Summary Table.
		(Proposed New Additional) D&D of Biology Complex Buildings 9207, 9207a, 9210, 9743-2, 9767-6, 9767-7, 9770-2, and 9770-3 Project : Demolishes 8 Biology Complex buildings to meet "No Further Action" determination.	6-12 months	\$71-79M	"Opportunities for Footprint Reduction ..." Summary Table.
		(Proposed New/Additional) D&D of Central Campus Slabs Project: Proposes to demolish the slab, and remediate underlying soils to achieve "No Further Action" determination.	12 months	\$5M	"Opportunities for Footprint Reduction ..." Summary Table.
		(Proposed New/Additional) Bethel Valley (BV RDR/RAWP) Remedial Design Report / Remedial Action Work Project: Remediates soils and sediments to meet "No Further Action".	24 months	\$5M	"Opportunities for Footprint Reduction ..." Summary Table.





Footprint Reduction



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